

### ABSTRACT OF THE DISCLOSURE

A process is provided for limiting weight gain in cats. The process includes feeding the cat a pet food composition that includes a source of protein, a source of fat, and a source of carbohydrates from a grain source that excludes rice. Use of the preferred low glycemic index grain sources that comprise a blend of corn and sorghum; a blend of corn, sorghum, and barley; or a blend of corn, sorghum, and oats, has the effect of decreasing the postprandial blood glucose and insulin response of the cat as compared to when feeding a rice-based diet. The result is that the animal becomes satiated and voluntarily decreases its intake of food, causing less weight gain. This effect is even more marked when the composition is fed to male cats.